

Common Cnidium Fruit (*Fructus Cnidii*) – 蛇床子

Sample source

Commercially available Common Cnidium Fruit (Zhejiang province)

Chemical reference substances

Osthole (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110822-200305)

Preparation of test solution

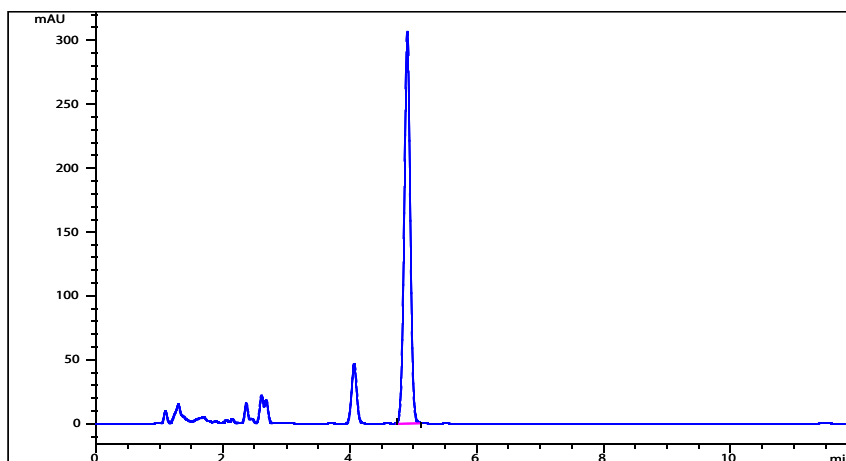
Accurately weigh 0.1 g of the powder in a stoppered conical flask, accurately add 25 mL of dehydrated ethanol, accurately weigh, allow to stand for 2 hours and treat ultrasonically for 30 minutes, allow to cool and weigh again, replenish the lost weight with dehydrated ethanol and mix well. Accurately measure 5 mL of the supernatant in a 10 mL volumetric flask, dilute with dehydrated ethanol to volume and mix well. Filter with a millipore membrane (0.45 μm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 150 mm, 5 μm (883975-902)
- Column temperature: 35 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-water (65:35)
- Detector wavelength: 322 nm
- Flow rate: 1.0 mL/min
- Injection volume: 10 μL

Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostated column compartment
- Agilent 1200 Series variable wavelength detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
Osthole	3.089	4.906	306.38	2006.7	13150	0.99